

Receipt date: 12/16/2010

10780824 - GAU: 2112

PTO/SB/08a (07-09)

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<i>Complete if Known</i>		
		Application Number	10/780,824	
		Filing Date	2004-02-17	
		First Named Inventor	TIEDEMANN; Edward G. Jr.,	
		Art Unit	2112	
		Examiner Name	RIZK; Samir Wadie	
Sheet	1	of	4	Attorney Docket No: 030525

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	001	US4768023	08-30-1988	XIE; Alex J.	
	002	US5280472	01-18-1994	GILHOUSEN; Klein S., et al.	
	003	US5553062	09-03-1996	SCHILLING; Donald L., et al.	
	004	US5732391	03-24-1998	FIOCCA; James Leonard	
	005	US5864760	01-26-1999	GILHOUSEN; Klein S., et al.	
	006	US6442130	08-27-2002	JONES; Iv Vincent K., et al.	
	007	US6512925	01-28-2003	CHEN; Tao, et al.	
	008	US6775544	08-10-2004	FICARRA; Louis J.	
	009	US7072315	07-04-2006	LIU; Hui, et al.	
	010	US7126930	10-24-2006	PANKAJ; Rajesh, et al.	
	011	US7299402	11-20-2007	SOONG; Anthony C. K., et al.	
	012	US7706403	04-27-2010	HOSEIN; Patrick A.	
	013	US20030028251	02-06-2003	MATHEWS; Hallett H.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where

EXAMINER SIGNATURE

/Sam Rizk/

/S.R./ 12/30/2010

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.R./

Receipt date: 12/16/2010

10780824 - GAU: 2112

PTO/SB/088 (07-09)

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/780,824
				Filing Date	2004-02-17
				First Named Inventor	TIEDEMANN, Edward G. Jr.,
				Art Unit	2112
				Examiner Name	RIZK, Samir Wadie
Sheet	2	of	4	Attorney Docket No: 030525	

		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
	014	EP1104127	05-30-2001	MATSUSHITA ELECTRIC IND CO LTD [JP]		<input type="checkbox"/>
	015	JP 2003018117	01-17-2003	NIPPON TELEGRAPH & TELEPHONE CORP.		<input checked="" type="checkbox"/>
	016	JP11196043	07-21-1999	SONY CORP.		<input checked="" type="checkbox"/>
	017	JP2000349740	12-15-2000	MATSUSHITA ELECTRIC IND CO LTD.		<input checked="" type="checkbox"/>
	018	JP2003032218A	01-31-2003	MATSUSHITA ELECTRIC IND CO LTD.		<input checked="" type="checkbox"/>
	019	JP2004214746A	07-29-2004	JAPAN TELECOM CO LTD.		<input checked="" type="checkbox"/>
	020	JP2005505168	02-17-2005	QUALCOMM INC [US]		<input checked="" type="checkbox"/>
	021	KR100214293	05-19-1999	SAMSUNG ELECTRONICS CO., LTD.		<input checked="" type="checkbox"/>
	022	KR100406531	11-22-2003	KOREA ELECTRONICS & TELECOMMUNICATIONS INSTITUTE.		<input checked="" type="checkbox"/>
	023	KR20020089164	11-29-2002	LUCENT TECHNOLOGIES INC.		<input checked="" type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume- issue number(s), publisher, city and/or country where published.			T2
	024	Taiwanese Search report -093103844 - TIPO - 2010-10-21 (030240).			<input type="checkbox"/>
	025	3GPP2 C.S0024, Version 2.0: "cdma2000 High Rate Packet Data Air Interface Specification," pgs. 1-441 (2000-10-27).			<input type="checkbox"/>

EXAMINER SIGNATURE

/Sam Rizk/

/S.R./ 12/30/2010

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* Applicant's unique citation designation number (optional). z See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. a Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). a For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. s Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. s Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.R./

Receipt date: 12/16/2010

10780824 - GAU: 2112

PTO/SB/058 (107-09)

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<i>Complete if Known</i>		
		Application Number	10/780,824	
		Filing Date	2004-02-17	
		First Named Inventor	TIEDEMANN, Edward G. Jr.,	
		Art Unit	2112	
		Examiner Name	RIZK, Samir Wadie	
Sheet	3	of	4	Attorney Docket No: 030525

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T2
	026	ETSI TS 125.211 v3.5.0 (2000-12); Universal Mobile Telecommunications Systems (UMTS); Physical channels and mapping of transport channels onto physical channels (FDD); 3GPP TS 25.211 version 3.5.0 Release 1999).	<input type="checkbox"/>	
	027	European Search Report - EP10172964, Search Authority - Berlin Patent Office, 09-28-2010 (030223).	<input type="checkbox"/>	
	028	FUJII, T. et al., "Best Effort Cell Structure Using Sub-carrier Selection MC-CDMA System," The Institute of Electronics, Information, and Communication Engineers, Nov. 15, 2002, Vol. 102, No. 465, pp. 65-72, IEICE Technical Report RCS 2002-203 (English Abstract).	<input type="checkbox"/>	
	029	SKLAR, B. "DIGITAL COMMUNICATIONS, FUNDAMENTALS AND APPLICATIONS", 4 pages, 2001. Prentice-Hall PTR. Upper Saddle River, New Jersey, USA.	<input type="checkbox"/>	
	030	TIA/EIA-IS-2000 Release C, "Introduction to cdma2000 Standards for Spread Spectrum Systems, Release C" (3GPP2 C.S0001-C, Version 1.0) May 28, 2002.	<input type="checkbox"/>	
			<input type="checkbox"/>	
			<input type="checkbox"/>	
			<input type="checkbox"/>	

EXAMINER SIGNATURE

/Sam Rizk/

/S.R./ 12/30/2010

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.R./